

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/516,780
Source: PCT
Date Processed by STIC: 03/29/2006

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PCT

RAW SEQUENCE LISTING

DATE: 03/29/2006

PATENT APPLICATION: US/10/516,780

TIME: 09:34:07

Input Set : A:\-136.APP

Output Set: N:\CRF4\03292006\J516780.raw

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3 <110> APPLICANT: Allan, Bernard
4     Gregoire, Francine
5     Lavan, Brian
6     Moodie, Shonna
7     Waters, Steve
8     Wong, Chi-Wai
9     Metabolex, Inc.
11 <120> TITLE OF INVENTION: Methods of Diagnosing & Treating Diabetes and Insulin
12     Resistance
14 <130> FILE REFERENCE: 016325-013600US
16 <140> CURRENT APPLICATION NUMBER: US 10/516,780
17 <141> CURRENT FILING DATE: 2004-12-03
19 <150> PRIOR APPLICATION NUMBER: US 60/386,521
20 <151> PRIOR FILING DATE: 2002-06-05
22 <150> PRIOR APPLICATION NUMBER: US 60/386,527
23 <151> PRIOR FILING DATE: 2002-06-05
25 <150> PRIOR APPLICATION NUMBER: US 60/386,551
26 <151> PRIOR FILING DATE: 2002-06-05
28 <150> PRIOR APPLICATION NUMBER: US 60/386,429
29 <151> PRIOR FILING DATE: 2002-06-06
31 <150> PRIOR APPLICATION NUMBER: US 60/386,936
32 <151> PRIOR FILING DATE: 2002-06-06
34 <150> PRIOR APPLICATION NUMBER: US 60/386,954
35 <151> PRIOR FILING DATE: 2002-06-06
37 <150> PRIOR APPLICATION NUMBER: US 60/387,301
38 <151> PRIOR FILING DATE: 2002-06-07
40 <150> PRIOR APPLICATION NUMBER: WO PCT/US03/18046
41 <151> PRIOR FILING DATE: 2003-06-05
43 <160> NUMBER OF SEQ ID NOS: 46
45 <170> SOFTWARE: PatentIn Ver. 2.1
47 <210> SEQ ID NO: 1
48 <211> LENGTH: 1909
49 <212> TYPE: DNA
50 <213> ORGANISM: Homo sapiens
52 <220> FEATURE:
53 <223> OTHER INFORMATION: human Fritz (frizzled protein homolog) cDNA
55 <220> FEATURE:
56 <221> NAME/KEY: CDS
57 <222> LOCATION: (70)..(1047)
58 <223> OTHER INFORMATION: Fritz
60 <220> FEATURE:
61 <221> NAME/KEY: modified_base
62 <222> LOCATION: (42)

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101 <211> LENGTH: 325

102 <212> TYPE: PRT

103 <213> ORGANISM: Homo sapiens

105 <220> FEATURE:

106 <223> OTHER INFORMATION: human Fritz (frizzled protein homolog)

108 <400> SEQUENCE: 2

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 115 Ala Ala Cys Glu Pro Val Arg Ile Pro Leu Cys Lys Ser Leu Pro Trp
 116 35 40 45
 118 Asn Met Thr Lys Met Pro Asn His Leu His His Ser Thr Gln Asp Asn
 119 50 55 60

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Input Set : A:\-136.APP

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121 Ala Ile Leu Ala Ile Glu Gln Phe Glu Gly Leu Leu Gly Thr His Cys
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124 Ser Pro Asp Leu Leu Phe Phe Leu Cys Ala Met Tyr Ala Pro Ile Cys
125 85 90 95
127 Thr Ile Asp Phe Gln His Glu Pro Ile Lys Pro Cys Lys Ser Val Cys
128 100 105 110
130 Glu Arg Ala Arg Gln Gly Cys Glu Pro Ile Leu Ile Lys Tyr Arg His
131 115 120 125
133 Ser Trp Pro Glu Asn Leu Ala Cys Glu Glu Leu Pro Val Tyr Asp Arg
134 130 135 140
136 Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr Ala Asp Gly Ala Asp
137 145 150 155 160
139 Phe Pro Met Asp Ser Asn Gly Asn Cys Arg Gly Ala Ser Ser Glu
140 165 170 175
142 Arg Cys Lys Cys Lys Pro Ile Arg Ala Thr Gln Lys Thr Tyr Phe Arg
143 180 185 190
145 Asn Asn Tyr Asn Tyr Val Ile Arg Ala Lys Val Lys Glu Ile Lys Thr
146 195 200 205
148 Lys Cys His Asp Val Thr Ala Val Val Glu Val Lys Glu Ile Leu Lys
149 210 215 220
151 Ser Ser Leu Val Asn Ile Pro Arg Asp Thr Val Asn Leu Tyr Thr Ser
152 225 230 235 240
154 Ser Gly Cys Leu Cys Pro Pro Leu Asn Val Asn Glu Glu Tyr Ile Ile
155 245 250 255
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158 260 265 270
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161 275 280 285
163 Trp Asp Met Lys Leu Arg His Leu Gly Leu Ser Lys Ser Asp Ser Ser
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182 <221> NAME/KEY: CDS
183 <222> LOCATION: (365)..(1336)
184 <223> OTHER INFORMATION: Fritz
186 <220> FEATURE:
187 <221> NAME/KEY: modified_base
188 <222> LOCATION: (1)..(2540)
189 <223> OTHER INFORMATION: n = g, a, c or t
191 <400> SEQUENCE: 3

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195 gctccgcca gctagtggac cggacctggg agcacttgga tccaagagaa ctgtgattgt 240
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229 ggtgttattt aacagaggta tgtaactcta taaaagacta taatttacag gacacggaaa 2280
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238 <211> LENGTH: 323
239 <212> TYPE: PRT
240 <213> ORGANISM: Mus musculus
242 <220> FEATURE:
243 <223> OTHER INFORMATION: mouse Fritz (frizzled-related protein)

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245 <400> SEQUENCE: 4

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250         20         25         30
252 Ala Ala Cys Glu Pro Val Arg Ile Pro Leu Cys Lys Ser Leu Pro Trp
253         35         40         45
255 Asn Met Thr Lys Met Pro Asn His Leu His His Ser Thr Gln Ala Asn
256         50         55         60
258 Ala Ile Leu Ala Met Glu Gln Phe Glu Gly Leu Leu Gly Thr His Cys
259   65         70         75         80
261 Ser Pro Asp Leu Leu Phe Phe Leu Cys Ala Met Tyr Ala Pro Ile Cys
262         85         90         95
264 Thr Ile Asp Phe Gln His Glu Pro Ile Lys Pro Cys Lys Ser Val Cys
265        100        105        110
267 Glu Arg Ala Arg Gln Gly Cys Glu Pro Ile Leu Ile Lys Tyr Arg His
268        115        120        125
270 Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu Pro Val Tyr Asp Arg
271        130        135        140
273 Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr Ala Asp Gly Ala Asp
274  145        150        155        160
276 Phe Pro Met Asp Ser Ser Thr Gly His Cys Arg Gly Ala Ser Ser Glu
277        165        170        175
279 Arg Cys Lys Cys Lys Pro Val Arg Ala Thr Gln Lys Thr Tyr Phe Arg
280        180        185        190
282 Asn Asn Tyr Asn Tyr Val Ile Arg Ala Lys Val Lys Glu Val Lys Met
283        195        200        205
285 Lys Cys His Asp Val Thr Ala Val Val Glu Val Lys Glu Ile Leu Lys
286        210        215        220
288 Ala Ser Leu Val Asn Ile Pro Arg Asp Thr Val Asn Leu Tyr Thr Thr
289  225        230        235        240
291 Ser Gly Cys Leu Cys Pro Pro Leu Thr Val Asn Glu Glu Tyr Val Ile
292        245        250        255
294 Met Gly Tyr Glu Asp Glu Glu Arg Ser Arg Leu Leu Leu Val Glu Gly
295        260        265        270
297 Ser Ile Ala Glu Lys Trp Lys Asp Arg Leu Gly Lys Lys Val Lys Arg
298        275        280        285
300 Trp Asp Met Lys Leu Arg His Leu Gly Leu Gly Lys Thr Asp Ala Ser
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309 <210> SEQ ID NO: 5

310 <211> LENGTH: 1740

311 <212> TYPE: DNA

312 <213> ORGANISM: Homo sapiens

314 <220> FEATURE:

315 <223> OTHER INFORMATION: human p21 activated kinase 1B (PAK1B) cDNA

317 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/516,780

DATE: 03/29/2006
TIME: 09:34:08

Input Set : A:\-136.APP
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 42
Seq#:3; N Pos. 2381,2401

VERIFICATION SUMMARY

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L:232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:2400